(No Model.)

J. A. HANGER.

ADJUSTABLE FOLDING, READING, AND WORK TABLE.

No. 600,148. Patented Mar. 8, 1898.

Fig. 1.

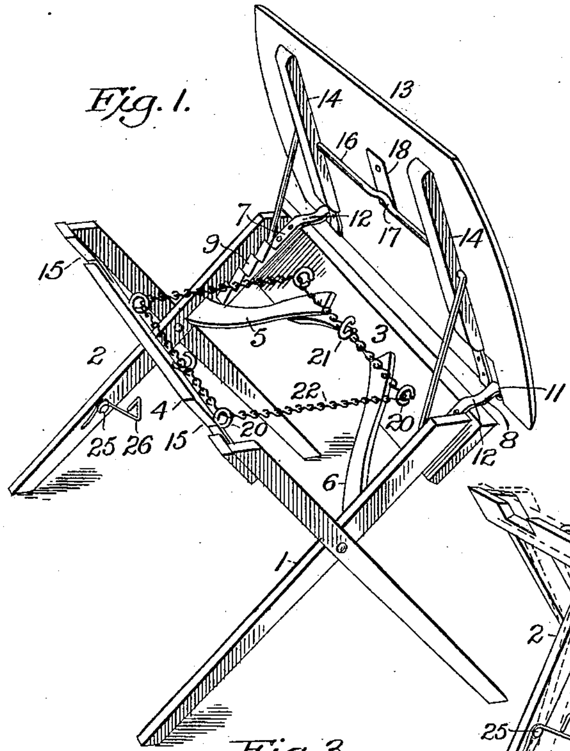


Fig. 2.

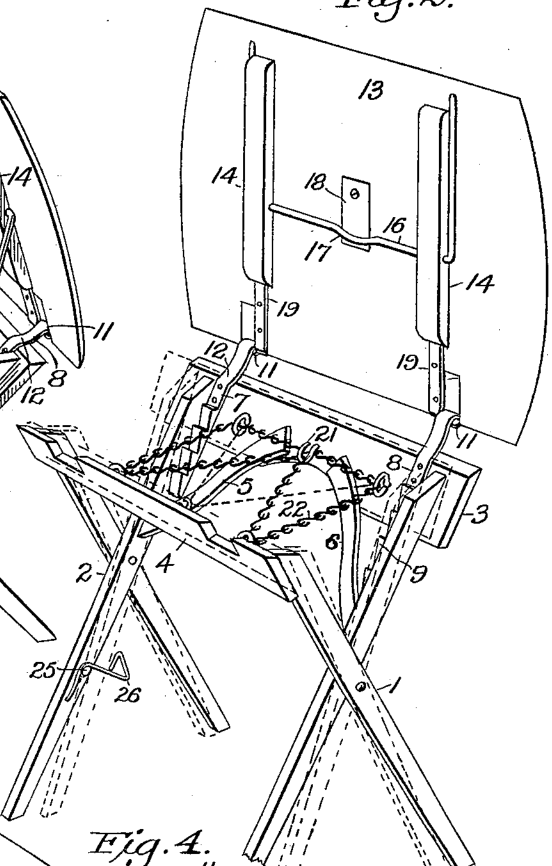


Fig. 3

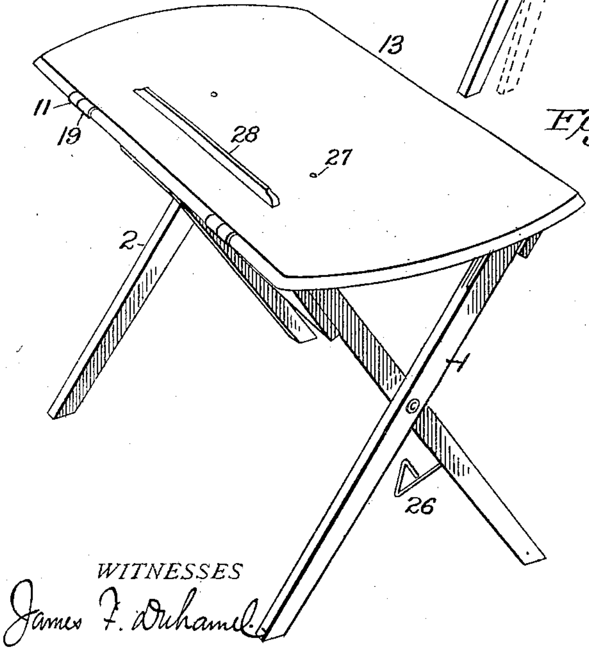
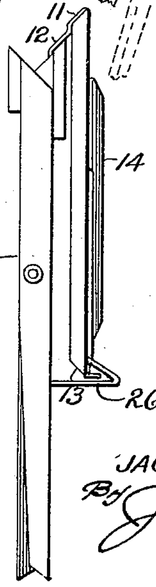


Fig. 4.



WITNESSES

James F. Duhamel

Wm. Poynter

INVENTOR,

JACOB A. HANGER,

By John Wedderburn

Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JACOB A. HANGER, OF STAUNTON, VIRGINIA.

ADJUSTABLE FOLDING, READING, AND WORK TABLE.

SPECIFICATION forming part of Letters Patent No. 600,148, dated March 8, 1898.

Application filed February 20, 1897. Serial No. 624,303. (No model.)

To all whom it may concern:

Be it known that I, JACOB A. HANGER, a citizen of the United States, residing at Staunton, in the county of Augusta and State of Virginia, have invented certain new and useful Improvements in Adjustable Folding, Reading, and Work Tables; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in adjustable tables; and the object of the same is to provide a table which may be adjusted to various heights, according to the convenience of the user; and it is also the object of my invention to provide the leaf of the table adjustable, whereby the same may be positioned at various inclinations, adapting the table as a drawing, reading, or work table.

The invention consists in the novel details of construction hereinafter fully described and claimed, and illustrated by the accompanying drawings, in which—

Figure 1 is a perspective view of my improved table, showing the leaf inclined, the view illustrating the inner side of the leaf and its supporting mechanism. Fig. 2 is a similar view showing the leaf extended and the table elevated to its second position, dotted lines showing the position of the elevating-cords when the table is in the third position. Fig. 3 is a perspective view of the table with the leaf flat upon the body portion. Fig. 4 is an edge view of the table when folded.

Referring to the accompanying drawings, 1 and 2 represent the two pairs of legs of the table, which are pivoted, as illustrated, and connected at their upper ends by the cross-pieces 3 and 4. The cross-piece 3 is curved or rounded out at its lower edge to conform to the shape of a person using the table and is braced by the curved bars 5 and 6.

The straps 7 and 8 are secured at either end of the cross-piece 3 on the inside of the legs 2 and are provided with the notches or teeth 9. The upper ends of these straps are extended and doubled to form eyes 11. It will be noticed that these straps are bent at 12 to rest flat upon the upper edge of the cross-piece 3.

Secured to the under side of the leaf 13 are the cross-pieces 14, which when the leaf is folded flat upon the cross-piece 4 are adapted to rest in slots 15, formed in said cross-piece. Pivoted in the cross-pieces 14 is the bail 16, having a central bend 17, the arms of said bail adapted at their free ends to engage the notches of the straps 7 and 8 for the purpose of bracing and holding the table-leaf at an inclination. The plate 18 is secured to the inner surface of the leaf 13 and beneath the bend in the bail, so as to offer resistance to the movement of the bail and hold it in engagement with the notched straps. The straps 19 are fastened to the under side of the leaf and at their outer ends constitute the other half of the hinges by means of which the leaf is pivoted to the straps 7 and 8. It will be noticed that the hinges form a part of the scalloped edge of the table-leaf and thus make a neat finish of said edge.

For adjusting and holding the table at various heights I provide the eyes 20, which I secure in the cross-pieces 3 and 4, at either end thereof and opposite each other, and the hooks 21, which I also secure to the said cross-pieces intermediate the eyes 20. A chain 22 is passed through the four eyes, as illustrated in Fig. 1, and when it is desired to adjust the table to the position shown in Fig. 2 one portion of the chain is drawn over and inserted upon the opposite hook, which elevates the table and secures it in its elevated position. When it is desired to further elevate the table, the opposite portion of the chain is drawn over and inserted upon the opposite hook, as illustrated in dotted lines in Fig. 2. Thus it will be seen that the table can be elevated and held in its elevated position by the simple construction of an endless chain passing through four screw-eyes and engaging opposite hooks.

Secured at one end to the table-leg and coiled about the pin 25 is the spring 26, which is doubled at its free end to form a catch for holding the leaf when the table is folded.

It will be understood that by my peculiar form of hinge when it is desired to fold the table all that is necessary is for the user to reach over and grasp the opposite side of the leaf and turn the same to him, which is a decided convenience in folding.

In the leaf of the table are the inclined perforations 27, by means of which a rest 28 is supported for holding the hook or other object when the leaf is inclined or tilted. This rest can be adjusted in the rows of perforation to elevate or lower the hook to suit the convenience of the user.

From the foregoing description it will be seen that I have produced a table the leaf of which can be inclined at various angles by the engagement of a bail carried by its under side with the notches of straps which also form one member of the hinges by which the leaf is pivoted to the body portion of the table.

It will also be understood that my table can be adjusted to different heights and retained in its adjustment by a most simple construction.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A table consisting of sections pivoted together, a chain or cord connecting said sections and movable through its securing devices, and securing means carried by the respective sections, the portion of the chain or cord adjacent each section of the table adapted to be placed in looped engagement with the securing means carried by the opposite section whereby the elevation of the table is varied and held in its adjusted position, substantially as set forth.

2. A table comprising legs pivoted together and provided with connecting-bars at their upper end, screw-eyes in said bars, hooks in said bars between the pairs of eyes, an endless cord passing through the eyes and adapted to engage the respective hooks for elevating the table and for securing the same in its adjustment, and a top for the table, substantially as shown and described.

3. A table comprising a supporting-body, straps secured to said body and provided with notches, said straps extended at their upper ends to form one of the members of the hinges for attaching the leaf to the body portion, a leaf, straps secured to said leaf and forming the other member of the hinges for pivoting the leaf to the body portion, and a swinging bail carried by the leaf and adapted to engage the notches of the straps for holding the leaf at the desired inclination, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JACOB A. HANGER.

Witnesses:
JAMES W. BEVANS,
WM. N. CROMWELL.